1	I CLAIM:		
2	1. A navigation system comprising:		
3	end user electronic devices;		
4	a customer-interface server; and		
5	a navigation-services server,		
6	wherein said end user electronic devices send requests for navigation services to		
7	said customer-interface server and receive responses to said requests from said customer		
8	interface server;		
9	wherein said customer-interface server includes programming that, upon		
10	receiving said requests from said end user electronic devices, transmits query messages		
11	over the Internet to said navigation-services server, wherein said query messages request		
12	navigation information for responding to said requests;		
13	wherein said navigation-services server receives said query messages from said		
14	customer-interface server, and using navigation applications installed on said navigation-		
15	services server and a geographic database associated therewith, formulates language-		
16	independent reply messages to said query messages, and sends said language-		
17	independent reply messages to said customer-interface server; and		
18	wherein said customer-interface server further includes programming that, upon		
19	receiving said language-independent reply messages from said navigation-services		
20	server, formulates said responses and sends said responses to said end user electronic		
21	devices.		
22			
23	2. The navigation system of Claim 1 wherein said requests for navigation		
24	services from said end user electronic devices are sent to said customer-interface server		
25	over the Internet.		
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3.

replay messages are in XML format.

The navigation system of Claim 1 wherein said language-independent

1	4.	The navigation system of Claim 1 wherein said customer-interface server		
2	uses XML stylesheets to formulate the responses that are sent to said end user electronic			
3	devices.			
4				
5	5.	The navigation system of Claim 1 wherein the responses that are sent to		
6	said end user	electronic devices are in HTML format.		
7				
8	6.	The navigation system of Claim 5 wherein said customer-interface server		
9	uses an XMI	stylesheet to formulate the responses that are sent to said end user		
10	electronic devices into HTML format.			
11				
12	7.	A method for providing routing information using a navigation system, the		
13	method comprising:			
14	on a customer-interface server, receiving a request over a data network from an			
15	end user for route guidance to a destination;			
16	from the customer-interface server, sending a message over the data network to a			
17	navigation-related information server for maneuvering instructions;			
18	on the navigation-related information server, after receiving the message from the			
19	customer-interface server, calculating a route to the destination and determining a series			
20	of maneuvers for traveling along a route to the destination;			
21	on the navigation-related information server, forming a language- and format-			
22	independent data structure that represents the series of maneuvers;			
23	from the navigation-related information server, sending the language- and format-			
24	independent data structure over the data network to the customer-interface server;			
25	on the customer-interface server, using the language- and format-independent data			
26	structure received from the navigation-related information server to form language- and			
27	format-specific maneuvering instructions; and			
28	from the customer-interface server, providing the form language- and format-			
29	specific mane	euvering instructions to the end user over the data network.		
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1	8.	The method of Claim 7 wherein the language- and format-specific	
2	maneuvering instructions are in HTML format.		
3			
4	9.	The method of Claim 7 wherein the language- and format-independent	
5	data structure is in XML format.		
6			
7	10.	The method of Claim 7 wherein the data network comprises the Internet.	
8			
9	11.	The method of Claim 7 wherein said customer-interface server uses an	
10	XML stylesheet to form the language- and format-specific maneuvering instructions.		
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